

1996 Denominator Calculation

Overview

- Step 1: Calculate California's share of 1995 national resin sales for RPPC applications.
(Based on 1995 generation of RPPCs in California)
- Step 2: Adjust 1995 base generation to account for relative population changes
(California vs. U.S.)
- Step 3: Apply California's percentage of 1995 national resin sales (adjusted for population)
to 1996 national resin sales for RPPC applications and calculate 1996 RPPC generation

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1996 Denominator Calculation

Step 1:

$$\frac{1995 \text{ California RPPC generation}}{1995 \text{ National resin sales for RPPC applications}} = 1995 \text{ base \%}$$

1996 Denominator Calculation

Step 2:

$$1995 \text{ base \%} \times \frac{1996 \text{ Ca. pop.}/1996 \text{ U.S. pop.}}{1995 \text{ Ca. pop.}/1995 \text{ U.S. pop.}} = 1996 \text{ base \%}$$

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1996 Denominator Calculation

Step 3:

1996 base % X 1996 National resin sales for RPPC applications = 1996 RPPC generation

1996 Denominator Calculation

Data Requirements

1. 1995 national resin sales statistics from the SPI Committee on Resin Statistics as compiled by Association Services Group, LLC.
2. 1996 national resin sales statistics from the SPI Committee on Resin Statistics as compiled by Association Services Group, LLC.
3. Total 1995 California generation of RPPCs (final CIWMB staff adjustments to Cascadia/APC data, or 318,300 tons).
4. 1995 and 1996 California population estimates (U.S. Census estimates)
5. 1995 and 1996 U.S. population estimates (U.S. Census estimates)

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1995 National Resin Sales

SPI-CRS Reporting Category	1995 Tons Sold
PET Bottle Grades	1,001,277
HDPE Pails	365,825
HDPE Tubs and Containers	116,700
HDPE Base Cups	31,199
HDPE Motor Oil Bottles	84,684
HDPE Liquid Food Bottles	589,923
HDPE Household Chemical Bottles	460,353
HDPE Industrial Drums	113,877
HDPE Pharm., Cosmetics, and Toiletries	141,941
PVC Bottles	85,465
LDPE Bottles	21,624
PP Blow Molding Containers	76,940
PS Rigid (Non-Foam) Packaging	322,179
Total 1995 Tons	3,411,987

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1996 National Resin Sales

SPI-CRS Reporting Category	1996 Tons Sold
PET Bottle Grades	1,146,903
HDPE Pails	394,859
HDPE Tubs and Containers	113,287
HDPE Base Cups	10,295
HDPE Motor Oil Bottles	80,952
HDPE Liquid Food Bottles	641,243
HDPE Household Chemical Bottles	497,650
HDPE Industrial Drums	133,588
HDPE Pharm., Cosmetics, and Toiletries	145,520
PVC Bottles	75,182
LDPE Bottles	22,305
PP Blow Molding Containers	78,778
PS Rigid (Non-Foam) Packaging	313,827
Total 1996 Tons	3,654,389

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Population Estimates

	July 1, 1995	July 1, 1996
California	31,565,000	31,878,000
U.S.	262,890,000	265,284,000

Rounded to the nearest thousand.

Source: U.S. Census Population Estimates Program, December 1996

1996 Denominator Calculation

Step 1:

$$\frac{318,300 \text{ tons (1995 California RPPC generation)}}{3,411,987 \text{ tons (1995 National resin sales for RPPC applications)}} = 9.3\% \text{ (1995 Base \%)}$$

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Step 2:

$$9.3\% (95 \text{ base } \%) \times \frac{31.878\text{m} (96 \text{ Ca. pop.}) / 265.284\text{m} (96 \text{ U.S. pop.})}{31.565\text{m} (95 \text{ Ca. pop.}) / 262.890\text{m} (95 \text{ U.S. pop.})} = 9.3\% (96 \text{ base } \%)$$

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Step 3:

9.3 % (96 base %) X 3,654,389 (96 National resin sales for RPPC applications) = 339,858 (96 generation

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